

# METHOD AND APPARATUS FOR MEDICAL INTERVENTION PROCEDURE PLANNING AND LOCATION AND NAVIGATION OF AN INTERVENTION TOOL

## Abstract

A system and method for a medical intervention procedure within a cardiac chamber having an imaging system to obtain image data of the cardiac chamber and to create a 3D model from that image data, an interventional system to register the 3D model with a real-time image of the cardiac chamber and to display the 3D model, and an interventional tool positioned in the cardiac chamber to be displayed upon the interventional system and to be navigated in real-time over the registered 3D model. Preferably, the method and system also includes a storage medium to store the 3D model and wherein the interventional system receives the stored 3D model to register with the real-time image of the cardiac chamber.